



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

Order 11943
SHIP
D3319-1
Job Sheet 188835

Part No: D3319-1

Job Qty: 12 pcs

Part Name: Forward Wearplate



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 1/16/19

Job Tracking No:

Due Date: 1/31/19

Created By: Dara Macdonald

Type: Stock

Description:

Note: IPP: B 05.10.14 Added step 9, dwg rev B KJ/EC IPP Rev:C Now on Waterjet 06-10-26 JLM IPP REV:D
17.10.25 AS PER DWG REV.D DD VERF:JFS

Ship Via:

Bill of Materials

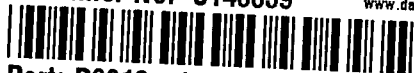
Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Lead Time	Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier			
100	Waterjet - Flow - 1	12 pcs		1/31/19	0.00	1.25	Waterjet - Flow			SC 19/01/21
110	QC 2	12 pcs		1/31/19	0.00	0.00	QC 2 - 1			
							QC 2 - 12			
							QC 2 - 14			
							QC 2 - 17			
							QC 2 - 19			
							QC 2 - 2			
							QC 2 - 20			
							QC 2 - 22			
							QC 2 - 23			
							QC 2 - 25			
							QC 2 - 32			
							QC 2 - 33			
							QC 2 - 35			
							QC 2 - 38			
							QC 2 - 39			
							QC 2 - 4			
							QC 2 - 40			SC 19/01/21
							QC 2 - 44			
							QC 2 - 45			
							QC 2 - 48			
							QC 2 - 49			
							QC 2 - 50			
							QC 2 - 51			
							QC 2 - 52			
							QC 2 - 54			
							QC 2 - 56			
QC 2 - 57										
QC 2 - 62										
QC 2 - 63										
QC 2 - 8										
120	QC 8	12 pcs		1/31/19	0.00	0.00	QC 8 - 12			
							QC 8 - 14			
							QC 8 - 17			
							QC 8 - 20			
							QC 8 - 25			
							QC 8 - 3			
							QC 8 - 32			
							QC 8 - 33			



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S146359



Part: D3319-1

Job No: 188835

Serial No/Batch: S146359

Revision: D

Inspector:

Exp Date:

Instructions: Various STC's

Date: 01/21/19

					QC 8 - 35	DAS
					QC 8 - 38	38
					QC 8 - 39	9-89
					QC 8 - 4	
					QC 8 - 44	
					QC 8 - 45	
					QC 8 - 49	
					QC 8 - 58	
					QC 8 - 8	
					QC 8 - 9	
					QC 8 - 68	
					QC 8 - 67	
					QC 8 - 1 (A)	
140	Small Fab - Brake NC - B4B	12 pcs	1/31/19	0.00 0.87	Small Fab - Brake - 1 - B4B	DAS 30 9-89
					Small Fab - Brake - 2 - B4B	
					Small Fab - Brake - 3 - B4B	
150	QC 5	12 pcs	1/31/19	0.00 0.00	QC 5 - 10	
					QC 5 - 12	
					QC 5 - 17	
					QC 5 - 18	
					QC 5 - 19	
					QC 5 - 22	
					QC 5 - 24	
					QC 5 - 3	DAS
					QC 5 - 38	38
					QC 5 - 42	9-88
					QC 5 - 43	
					QC 5 - 49	
					QC 5 - 51	
					QC 5 - 58	
					QC 5 - 68	
					QC 5 - 9	
					QC 5 - 50	
					QC 5 - 30	
160	Automated Welding - B4B	12 pcs	1/31/19	0.00 3.08	Automated Welding - 1 - B4B	EL
170	QC 10	12 pcs	1/31/19	0.00 0.00	QC 10 - 10	
					QC 10 - 18	
					QC 10 - 24	PPL
					QC 10 - 38	
					QC 10 - 43	
					QC 10 - 50	
					QC 10 - 58	
					QC 10 - 9	
180	QC 5	12 pcs	1/31/19	0.00 0.00	QC 5 - 10	
					QC 5 - 12	
					QC 5 - 17	
					QC 5 - 18	
					QC 5 - 19	
					QC 5 - 22	
					QC 5 - 24	PPL
					QC 5 - 3	
					QC 5 - 38	
					QC 5 - 42	
					QC 5 - 43	
					QC 5 - 49	
					QC 5 - 51	
					QC 5 - 58	
					QC 5 - 68	
					QC 5 - 9	
					QC 5 - 50	
					QC 5 - 30	
190	SprayPaint	12 pcs	1/31/19	0.00 0.00	Spray Paint - 1 - B4B	A8 19-1-27
200	QC 3	12 pcs	1/31/19	0.00 0.00	QC 3 - 10	
					QC 3 - 13	
					QC 3 - 15	
					QC 3 - 17	

				QC 3 - 18	
				QC 3 - 2	
				QC 3 - 26	
				QC 3 - 28	
				QC 3 - 3	
				QC 3 - 30	
				QC 3 - 34	
				QC 3 - 36	
				QC 3 - 38	
				QC 3 - 41	
				QC 3 - 51	
				QC 3 - 58	
				QC 3 - 59	
				QC 3 - 6	
				QC 3 - 68	
				QC 3 - 9	
210	Packaging 3-1 - Stock - B4B	12 pcs	1/31/19	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B
					Packaging 3 - 15 - B4B
					Packaging 3 - 16 - B4B
					Packaging 3 - 17 - B4B
					Packaging 3 - 18 - B4B
					Packaging 3 - 19 - B4B
					Packaging 3 - 20 - B4B
					Packaging 3 - 21 - B4B
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					Packaging 3 - 23 - B4B
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					Packaging 3 - 25 - B4B
					Packaging 3 - 26 - B4B
					Packaging 3 - 27 - B4B
					Packaging 3 - 28 - B4B
					Packaging 3 - 29 - B4B
					Packaging 3 - 30 - B4B
					Packaging 3 - 31 - B4B
					Packaging 3 - 32 - B4B
					Packaging 3 - 33 - B4B
					Packaging 3 - 34 - B4B
					Packaging 3 - 35 - B4B
					Packaging 3 - 36 - B4B
220	QC 21 - SA	12 pcs	1/31/19	0.00 0.00	QC 21 - SA - 21
					QC 21 - SA - 70
Part Op 100 - 1-Cut as per Dwg D3319 Dwg Rev: <u>D</u> Prog Rev: <u>D</u> 2-Deburr if necessary Descriptions: 110 - (QC2- Inspect parts off machine FAI/FAIB) 120 - QC8- Inspect parts - second check) 140 - (Form as per dwg) 1- Form using DT8326 & DT8261 as per Dwg D3319Rev: _____ 2- Form flat on press using DT8776 block 150 - QC5- Inspect part completeness to step on W/O) 160 - 8259 HARDCOAT B: _____ 170 - (QC10- Inspect visual per QSI004- ground welds) 180 - (QC5- Inspect part completeness to step on W/O) 190 - Spray Paint / NDT Room) COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURE COATING AS PER DWG NOTE 9 SHEET ONE. BATCH: <u>5144835</u> 200 - (QC3- Inspect Part Finish) 210 - (Identify as per dwg & Stock Location: _____)Identify on inside surface using a permanent fine point marker with the following: TCCA-PDA, Dart Aerospace Ltd. P/N: D3319-1, B/N: BXXXXX For Product Eligibility see PDA05-18 and Stock Location: _____ 220 - (QC21- Final Inspection - Work Order Release)					

Job BOM

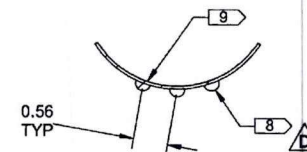
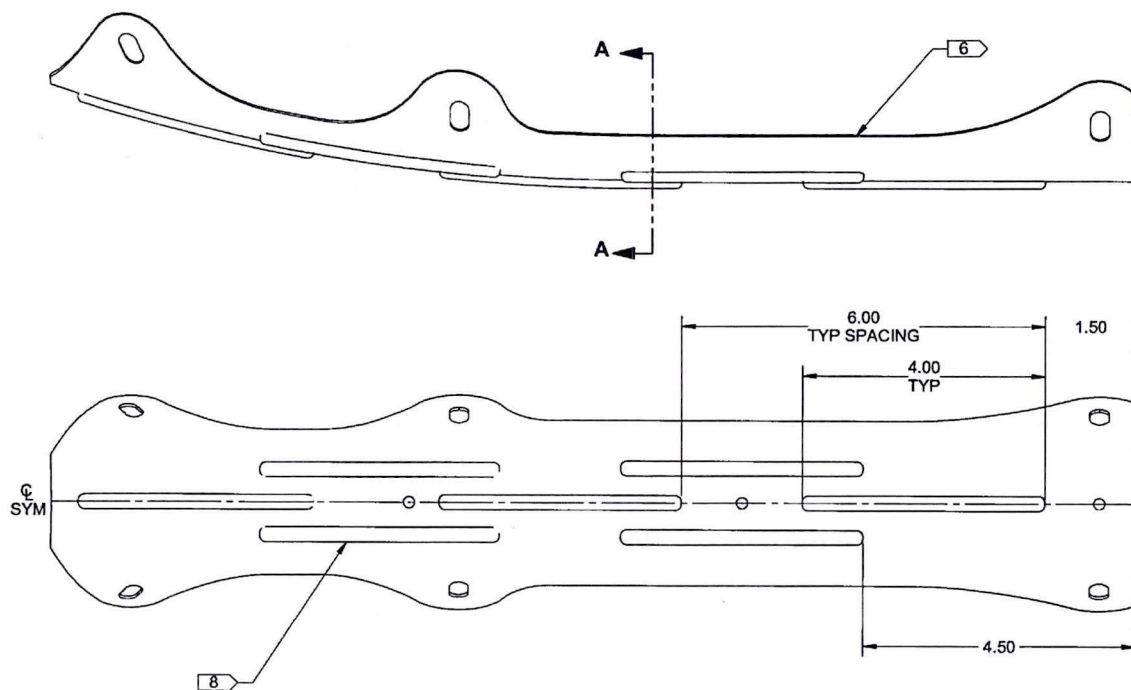
Part / Item	Component Name	Quantity	Operation	Container
M304S18GA	304/316 .050 Sheet	7.5360 sf (.628 ea)	100-Waterjet - Flow - 1	8123199

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Waterjet - Flow - 1	M304S18GA	8	168	0

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Wearplate	4.980Inches ± 0.030	5.010 4.950	4,990	
2	Wearplate	1.600Inches ± 0.010	1.610 1.590	1,606	
3	Wearplate	2.660Inches ± 0.010	2.670 2.650	2,665	
4	Wearplate	3.190Inches ± 0.010	3.200 3.180	3,194	
5	Wearplate	3.563Inches ± 0.010	3.573 3.553	3,565	
6	Wearplate	4.710Inches ± 0.030	4.740 4.680	4,712	
7	Wearplate	0.600Inches ± 0.030	0.630 0.570	0,603	
8	Wearplate	10.576Inches ± 0.010	10.586 10.566	10,580	
9	Wearplate	11.942Inches ± 0.010	11.952 11.932	11,945	
10	Wearplate	18.090Inches ± 0.030	18.120 18.060	18,092	
11	Wearplate	0.316Inches + 0.006 - 0.001	0.322 0.315	0,379	
12	Wearplate	0.546Inches ± 0.010	0.556 0.536	0,550	
13	Wearplate	0.316Inches + 0.006 - 0.001	0.322 0.315	0,320	
14	Wearplate	0.670Inches ± 0.010	0.680 0.660	0,672	
15	Wearplate	0.190Inches + 0.005 - 0.001	0.195 0.189	0,194	
16	Wearplate	3.815Inches ± 0.010	3.825 3.805	3,816	
17	Wearplate	16.100Inches ± 0.010	16.110 16.090	16,104	



SECTION A-A

D3319-1 WEARPLATE
MAKE FROM D3319-1BND

RELEASED

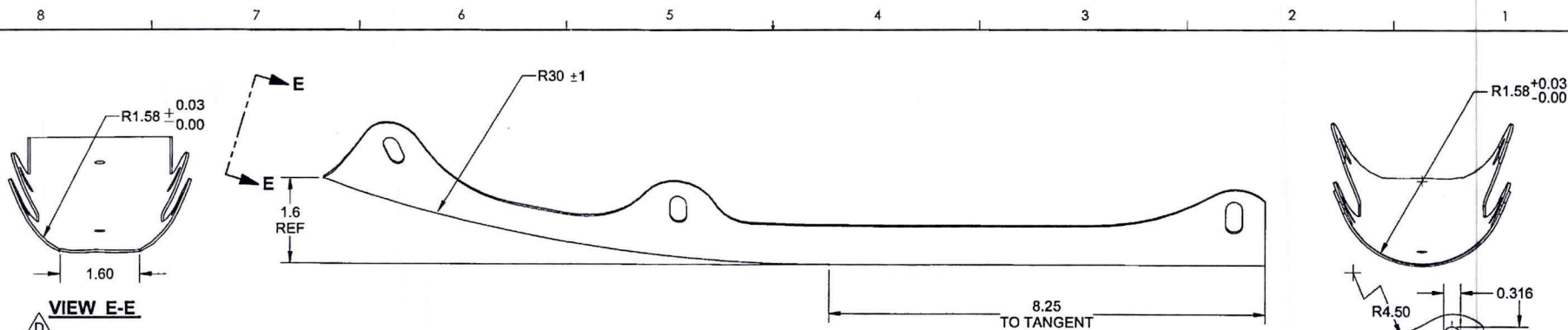
2017 AUG 10
EN 17-44

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3319-1" PER QSI 044 6.1
- 7) WEIGHT: 1.09 lbs
- 8) BUILDUP HARD SURFACING 0.06 TO 0.13 THICK USING 8259 ROD PER QSI 004 SECTION 4.5 (AUTOMATED WELDING) OR BUILDUP HARD SURFACING 0.06 TO 0.13 THICK USING 2059B ROD PER QSI 004 SECTION 4.1 (MANUAL WELDING)
- 9) COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING 0.020-0.040 THICK, PER DART QSI 005 4.9

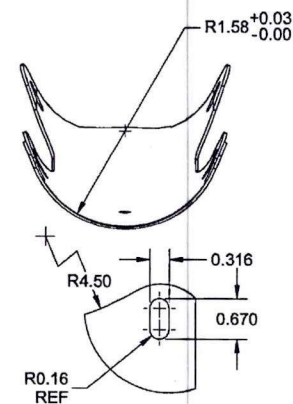
D	REVISE DRAWING TO SOLIDWORKS FORMAT, UPDATE NOTES, ADD ROBOTIC WELDING PROCESS, UPDATE TOLERANCES TO REFLECT INSPECTION CAPABILITY, CHANGE DRAIN HOLE LOCATION D3319-1, 12.00 WAS 12.600 (ZN B6-2), CHANGE WELD, PATTERN AND ADD MISSING DRAIN HOLES D3319-1-3, CHANGE MTL TO SS 304/316, ADDED D3319-XBND, SECTION VIEW F-F, AND UPDATED VIEW E-E ADDED DETAIL D, I, P	SAD	17.05.09
C	UPDATE TO CURRENT STANDARDS IAW QSI 043; CLOSED AFTMOST HOLE OF -3/5-7 (REF DETAIL G) SEE NCR 12-547	MB	12.03.13
B	WIDEN HOLES, REDUCE WIDTH OF -3/5-7	PH	05.06.06
A	NEW ISSUE	PH	04.09.24
REV.	DESCRIPTION	BY	DATE
DESIGN	PH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	SAD		
CHECKED	AJS	DRAWING NO.	REV. D
MFG. APPR.	DP	D3319	SHEET 1 OF 8
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	WEARPLATE	NTS
DATE	17.05.09	COPYRIGHT © 2004 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

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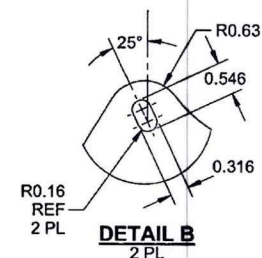


VIEW E-E

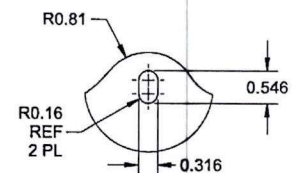
D3319-1BND WEARPLATE
MAKE FROM D3319-1F



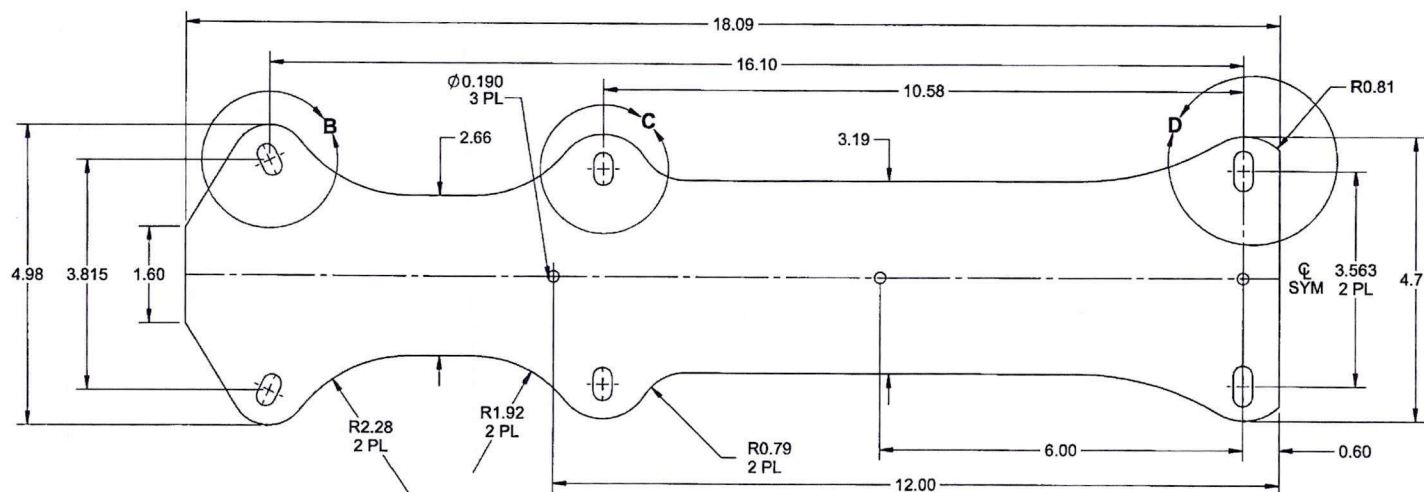
DETAIL D
2 PL



DETAIL B
2 PL



DETAIL C
2 PL



NOTES:
1) MATERIAL: AISI 304/316 SS SHEET ANNEALED, 18 GAUGE (0.048 THICK)
PER MIL-S-5059 OR AMS 5513 (304)
OR AMS 5524 (316) OR ASTM A240 OR ASME SA240
REF DART SPEC M304S18GA

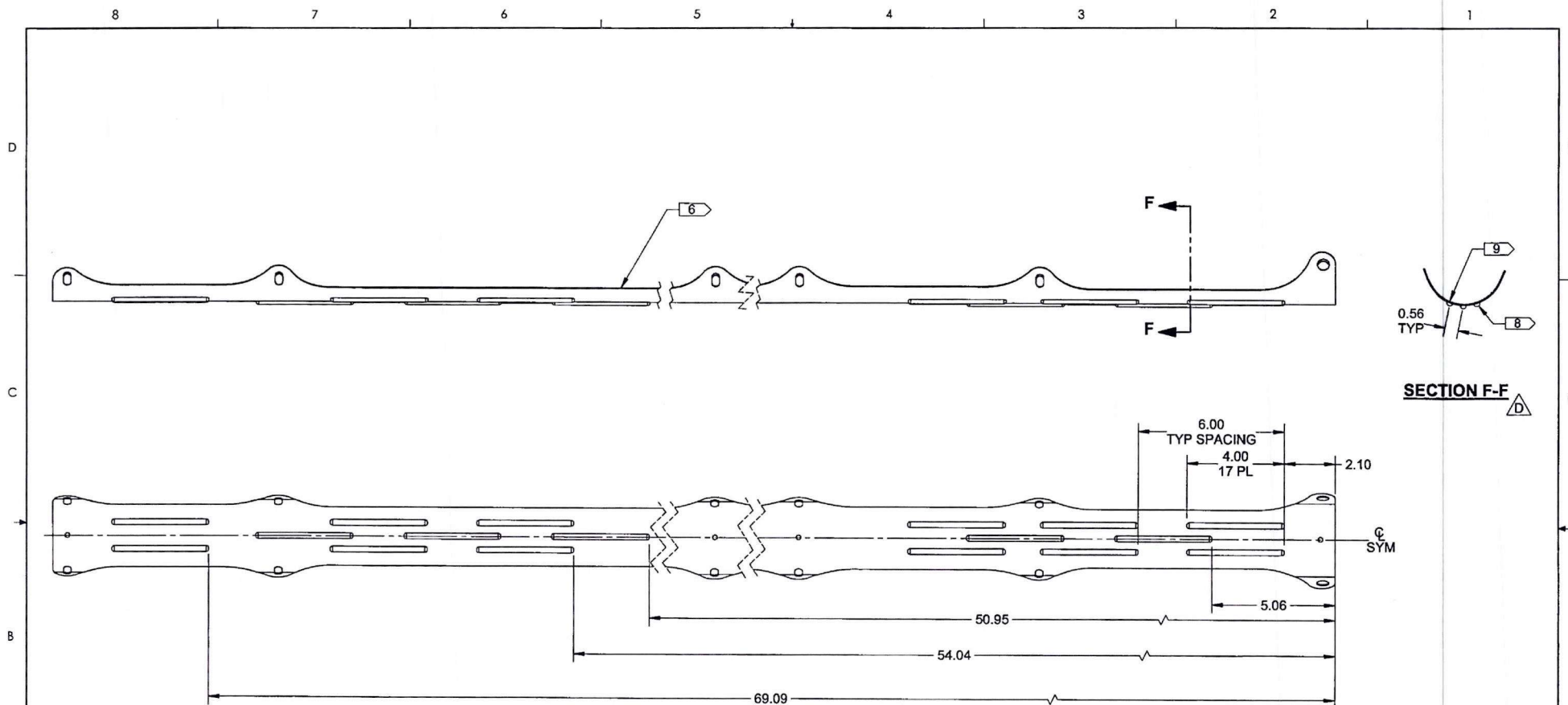
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: NONE
7) WEIGHT: 0.84 lbs
8) FOR NON-DIMENSIONED FEATURES, REFER TO CAD FILE D3319-1F-REV.D.XF

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2017 AUG 10

APPROVED

DESIGN	PH
DRAWN	SAD
CHECKED	AJS
MFG. APPR.	DP
APPROVED	WM
DE APPR.	DS
DATE	17.05.09

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. D3319	REV. D
TITLE WEARPLATE	SHEET 2 OF 8
SCALE	NTS
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D3319-3 WEARPLATE
MAKE FROM D3319-3BND

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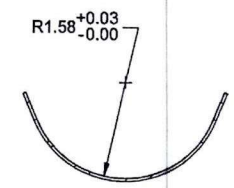
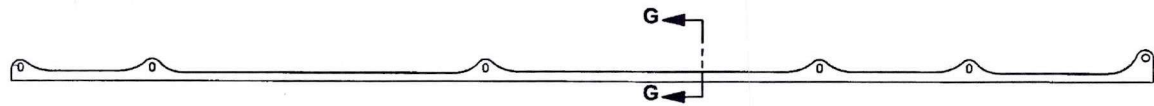
NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3319-3" PER QSI 044 6.1
- 7) WEIGHT: 3.71 lbs
- 8) BUILDUP HARD SURFACE 0.06 TO 0.13 THICK USING 8259 ROD PER QSI 004 SECTION 4.5 (AUTOMATED WELDING) OR BUILDUP HARD SURFACE 0.06 TO 0.13 THICK USING 2059B ROD PER QSI 004 SECTION 4.1 (MANUAL WELDING)
- 9) COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING 0.020-0.040 THICK, PER DART QSI 005 4.9

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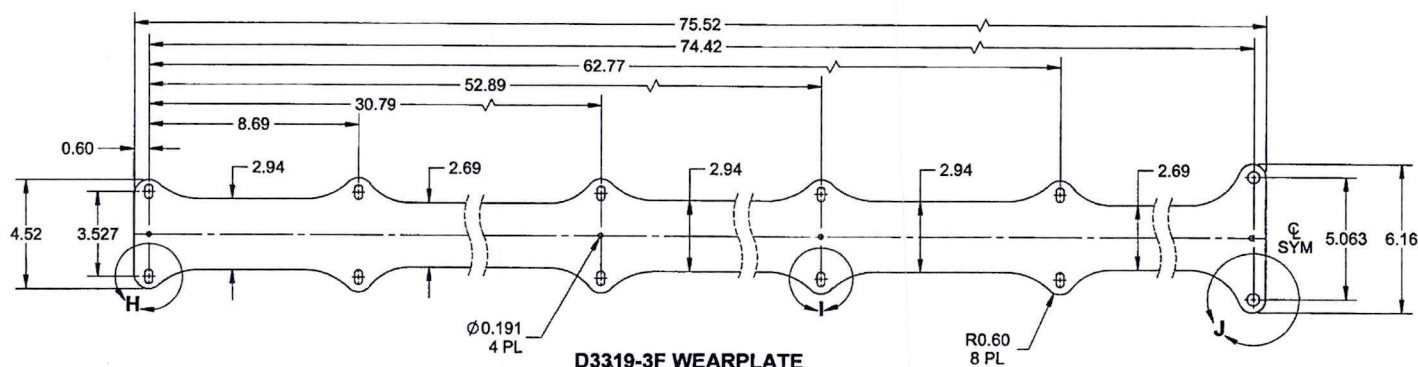
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DRAWN	SAD		
CHECKED	AJS	DRAWING NO.	REV. D
MFG. APPR.	DP	D3319	SHEET 3 OF 8
APPROVED	WM	TITLE	SCALE
DE APPR.	DSS	WEARPLATE	NTS
DATE	17.05.09	COPYRIGHT © 2004 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

8 7 6 5 4 3 2 1

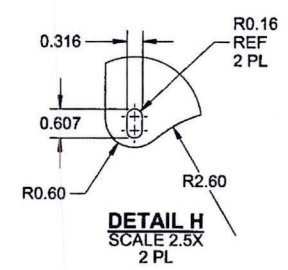


D3319-3BND WEARPLATE
MAKE FROM D3319-3F

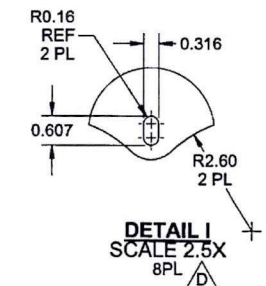
SECTION G-G
SCALE 4X



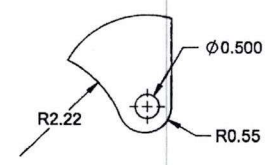
D3319-3F WEARPLATE
 FLAT PATTERN



DETAIL H
SCALE 2.5X
2 PL



DETAIL I
SCALE 2.5X
8 PL



DETAIL J
SCALE 2.5X
2 PL

NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET ANNEALED, 18 GAUGE (0.048 THICK)
PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316)
OR ASTM A240 OR ASME SA240
REF DART SPEC M304S18GA
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 3.19 lbs
- 8) FOR NON-DIMENSIONED FEATURES, REFER TO CAD FILE D3319-3F-REVD.DXF

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2017 AUG 10

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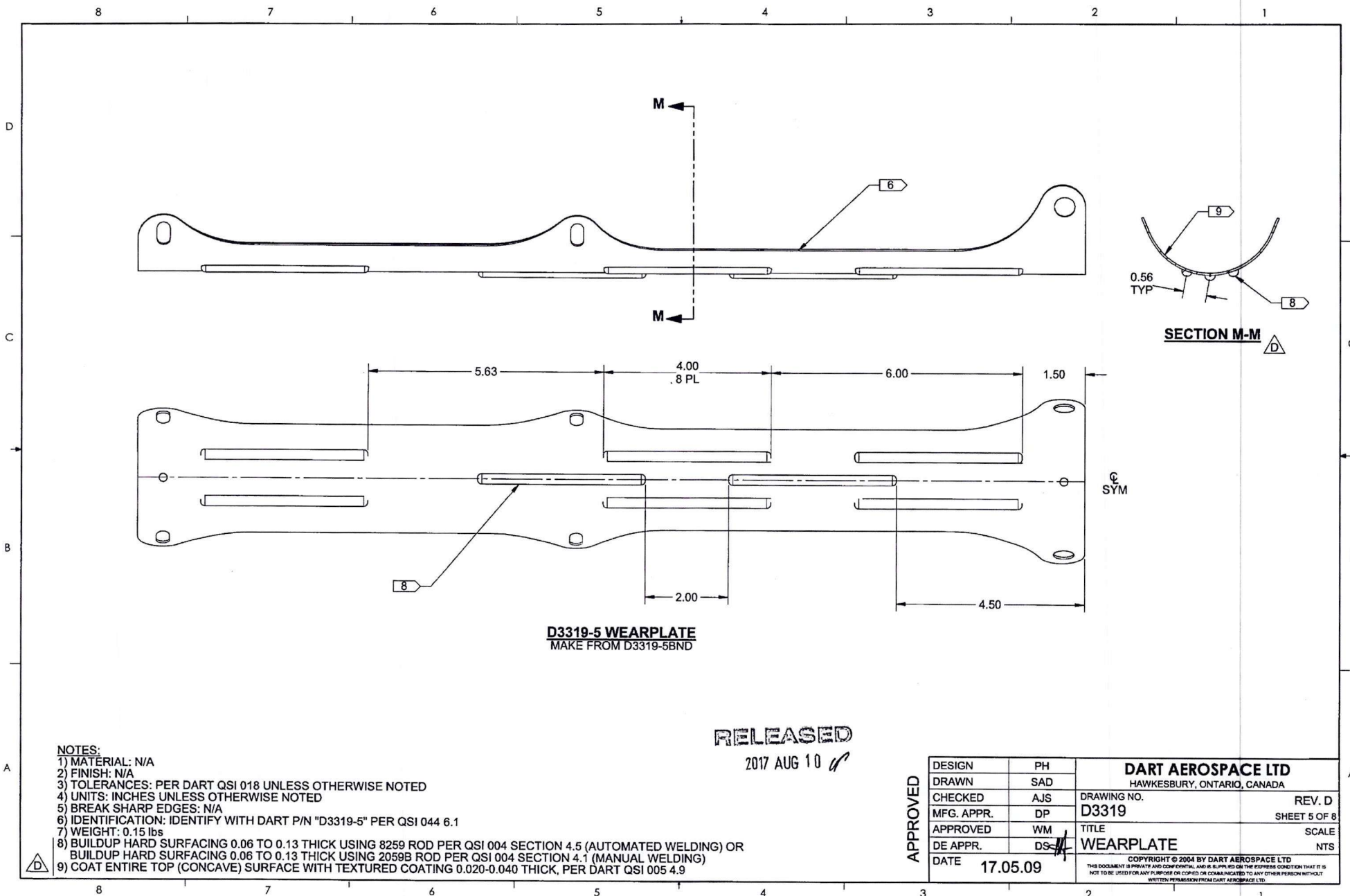
DESIGN	PH
DRAWN	SAD
CHECKED	AJS
MFG. APPR.	DP
APPROVED	WM
DE APPR.	DSS
DATE	17.05.09

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.	REV. D
D3319	SHEET 4 OF 8
TITLE	SCALE
WEARPLATE	NTS

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8 7 6 5 4 3 2 1



Entered: _____ Date: _____

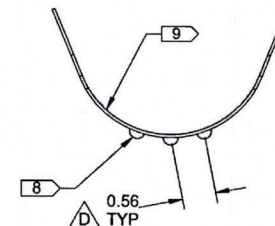
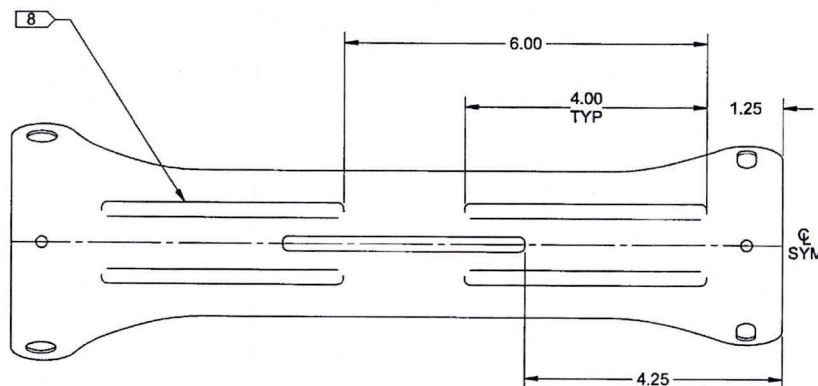
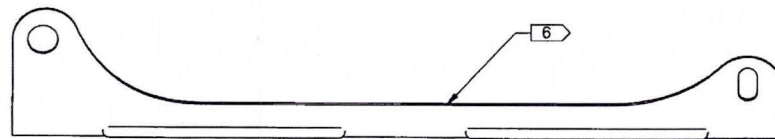


WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					



D3319-7 WEARPLATE
MAKE FROM D3319-7BND

RELEASED

2017 AUG 10 *af*

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3319-7" PER QSI 044 6.1
- 7) WEIGHT: 0.71 lbs
- 8) BUILDUP HARD SURFACING 0.06 TO 0.13 THICK USING 8259 ROD PER QSI 004 SECTION 4.5 (AUTOMATED WELDING) OR BUILDUP HARD SURFACING 0.06 TO 0.13 THICK USING 2059B ROD PER QSI 004 SECTION 4.1 (MANUAL WELDING)
- 9) COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING 0.020-0.040 THICK, PER DART QSI 005 4.9

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DESIGN	PH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	SAD		
CHECKED	AJS	DRAWING NO.	REV. D
MFG. APPR.	DP	D3319	SHEET 7 OF 8
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	WEARPLATE	NTS
DATE	17.05.09	COPYRIGHT © 2004 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

Entered: _____ Date: _____



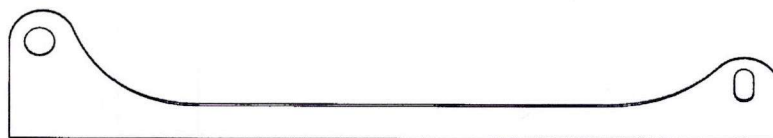
WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

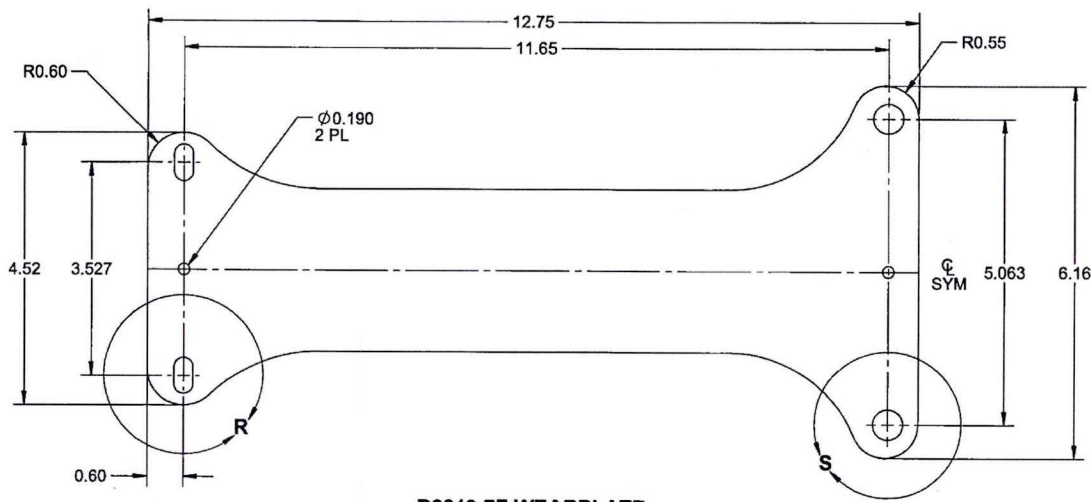
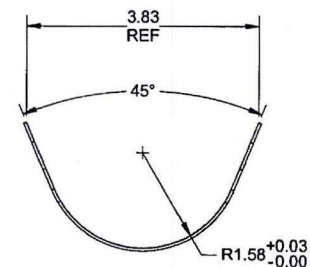
Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled		FAULT CATEGORY ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details: _____					

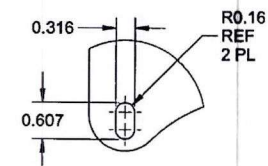
8 7 6 5 4 3 2 1



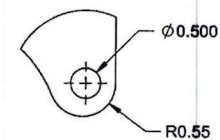
D3319-7BND WEARPLATE
MAKE FROM D3319-7F



D3319-7F WEARPLATE
FLAT PATTERN



DETAIL R
2 PL



DETAIL S
2 PL

NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET ANNEALED, 18 GAUGE (0.048 THICK)
PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR
ASTM A240 OR ASME SA240
REF DART SPEC M304S18GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.71 lbs
- 8) FOR NON-DIMENSIONED FEATURES, REFER TO CAD FILE D3319-7F-REV.D.XDF

RELEASED

2017 AUG 19

APPROVED

DESIGN	PH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	SAD		
CHECKED	AJS	DRAWING NO.	REV. D
MFG. APPR.	DP	D3319	SHEET 8 OF 8
APPROVED	WM	TITLE	SCALE
DE APPR.	D3	WEARPLATE	NTS
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8 7 6 5 4 3 2 1

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By Lead hand / Supervisor QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled		FAULT CATEGORY ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
		Other/Details:			